

# **METAL / NONMETAL**

## **Serious Injury Accident**

Surface Phosphate Mine – A miner was injured while preparing to add a 1000 ft. cable to a junction box on a 7200 volt power circuit. The victim opened the junction box and placed the static grounding clamp assembly across the corner of the open junction box. The grounding clamp assembly fell into the junction box making contact with the energized conductors. An arc flash occurred severely injuring the miner.



### **Best Practices**

- Become familiar with the electrical circuits prior to performing any electrical work.
- Always make sure electrical circuits are de-energized before performing any electrical work.
- Perform your own lock-out and tag-out procedure and NEVER rely on others to do this for you.
- Develop, communicate, and execute a written plan before performing electrical troubleshooting and repair to ensure that safety is maximized for all miners involved in the task.
- Use proper Personal Protective Equipment (PPE) for all electrical work.

